

ABSTRACT OF THE DISCLOSURE

To provide an electronic circuit, an electro-optical device, and an electronic apparatus in which a high accuracy of predetermined analog current can be supplied by suppressing variations of threshold value voltage of each current generating transistor. A voltage rising transistor T_c of a compensating circuit part 40 for compensating each threshold value voltage at first to sixth current-supplying transistors 33a to 33f is arranged and is formed. Further, a source of the voltage rising transistor T_c at the compensating circuit part 40 is connected to an input port P_i of a digital-analog converting part 30. Further, a drain of the voltage rising transistor T_c is connected to each gate of the first to sixth current-supplying transistors 33a to 33f. Further, a reference voltage V_{ref} supplied from a power source supply part to the input port P_i is increased at the compensating circuit part 40 as much as the threshold voltage value of the first to sixth current-supplying transistors 33a to 33f for supplying to each gate of the first to sixth current-supplying transistors 33a to 33f.